

Hearing Protection II

What's the

News?

Noise-induced hearing loss (NIHL) is an increasingly prevalent disorder that results from exposure to high-intensity sound, especially over a long period of time.



Prevention of Noise-induced hearing loss (NIHL)¹:

- ❖ Know which noises can cause damage (those at or above 85 decibels).
- ❖ Wear earplugs or other hearing protective devices when involved in a loud activity.
- ❖ Be alert to hazardous noise in the environment.
- ❖ Protect the ears of children who are too young to protect their own.
- ❖ Make family, friends, and colleagues aware of the hazards of noise.
- ❖ If you suspect hearing loss, have a medical examination by an otolaryngologist and a hearing test by an audiologist.

AM Sales & Marketing Sdn. Bhd. provides wide range of hearing protection devices, safety training, consultation, awareness talk, & etc!



❖ Visit our website www.amsales.com.my for more info on hearing protection products we offer **NOW!**

Noise Reduction Rating (NRR)

The NRR is a single-number rating which is shown on the label of each hearing protector sold to give idea of noise attenuation the hearing protector afford.

Can I subtract the NRR from the noise exposure to estimate the level of protection?

No. You have to de-rate the NRR first; this is because you should take wearing factors (size fitting, wearing method, etc) into the consideration.

Actual Reduction of an Earplug= $(\text{NRR} - 7) \times \frac{1}{2}$

Actual Reduction of an Earmuff= $(\text{NRR} - 7) \times \frac{3}{4}$

Actual Reduction of an Earmuff + Earplug= (Actual NRR of higher rated protector) + 5dB (A)

Does the product with highest NRR provide the best protection?

In many case, no.

High NRR products may be less comfortable, which can cause workers to take them off to give their ear a "break". This dramatically reduces the protection's effectiveness.

Meanwhile, wearing the protector with highest NRR often results in difficulty to communicate and listen to the warning signals.

Two way Communication Earmuff

Peltor has achieved the ultimate in a communication product by combining a headset and 2-way radio all in one!

This family of headsets is the perfect tool for communicating in high noise environment. Simple to operate and comfortable to wear, these headsets offer numerous features that will improve workplace efficiency.

Tactical hearing protectors combine the high performance of our passive muff with advanced electronics. Wearers can hear low level sounds with remarkable clarity, but when dangerous high level noises occur, the electronics will limit the noise automatically. The electronics are designed to limit amplified sounds to an ideal 82 dBA.



**Peltor™ Attenuation
Headset**



**Peltor™ Tactical
Headset**

Selection of Hearing Protection Device (EN 458)

- ✓ Approval
- ✓ Sound Attenuation Requirements
- ✓ Wearer Comfort
- ✓ Workplace Environment
- ✓ Medical Environment
- ✓ Medical Disorder
- ✓ Compatibility with other PPEs

Noise Monitoring

Regulation 8. (2) Factories and Machinery (Noise Exposure Regulation), 1989

Every occupier shall conduct employee exposure monitoring to determine if any employees may be exposed to noise level at or above the action level.

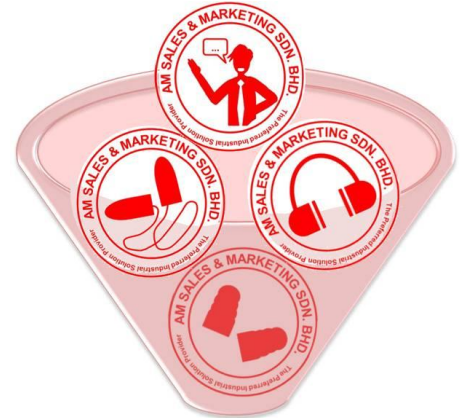
Audiometric Testing Programme

Regulation 20. (1) Factories and Machinery (Noise Exposure Regulation), 1989

An occupier shall establish and maintain an audiometric testing program for all employees exposed to noise level at or above the action level.

What does AM SALES offer?

- **PRODUCTS**
 - Hearing Protection Devices (Disposable Earplug, Reusable Earplug, Earmuff, etc)
- **TRAINING**
 - Certified training on usage and maintenance of hearing protectors (supported by principal—3M)
- **CONSULTATION**
 - Consultation and establishment of control strategies on hearing protection for workers
- **AWARENESS TALK**



Find out more about our offering on hearing protection devices by making enquiry at info@amsales.com.my or call 603-6157 8822 **NOW!**

Source:

1. National Institute of Deafness & Other Communication Disorders. <http://www.nidcd.nih.gov/>

AM

"The Preferred Industrial Solutions Provider"

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